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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/747,943	12/31/2003	Hye-Young Kim	3430-0196P	6952
2292	7590 06/28/2005	EXAMINER		
	EWART KOLASCH &	QI, ZHI QIANG		
PO BOX 74° FALLS CHU	7 JRCH, VA 22040-0747	ART UNIT	PAPER NUMBER	
			2871	
			DATE MAILED: 06/28/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)			
Office Andrew Commence	10/747,943	KIM, HYE-YOUNG			
Office Action Summary	Examiner	Art Unit			
	Mike Qi	2871			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period water than the reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	6(a). In no event, however, may a reply be tin within the statutory minimum of thirty (30) day ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on	_•				
·	action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.			
Disposition of Claims					
4) Claim(s) 1-29 is/are pending in the application.					
4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.					
6)☐ Claim(s) is/are rejected.					
7) Claim(s) is/are objected to.					
8) Claim(s) <u>1-29</u> are subject to restriction and/or e	election requirement.				
Application Papers					
9) The specification is objected to by the Examine	r.				
10)☐ The drawing(s) filed on is/are: a)☐ acce	epted or b) objected to by the	Examiner.			
Applicant may not request that any objection to the					
Replacement drawing sheet(s) including the correction					
11) The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:	priority under 35 U.S.C. § 119(a)-(d) or (f).			
 Certified copies of the priority documents 					
2. Certified copies of the priority documents have been received in Application No					
3. Copies of the certified copies of the priority documents have been received in this National Stage					
application from the International Bureau (PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list of the certified copies not received.					
Attachmant(a)					
Attachment(s) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)			
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail D				
B) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	6) Other:	aton Application (F10-102)			

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DETAILED ACTION

Election/Restrictions

1. This application contains claims directed to the following patentably distinct species of the claimed invention:

- 1) first embodiment, Fig.8, a seal pattern between the second inorganic insulating layer and an inner surface of the second substrate (upper substrate), the seal pattern contacting the whole second inorganic insulating layer;
- 2) second embodiment, Fig.9E, a seal pattern on the second inorganic insulating layer, and the seal pattern contacts the first inorganic insulating layer through a groove;
- 3) third embodiment, Fig.10F, a seal pattern on the second inorganic insulating layer, and the second inorganic layer contact the first inorganic insulating layer through a groove;
- 4) fourth embodiment, Fig.11D, a seal pattern on the second inorganic insulating layer, and the seal pattern contacts the first inorganic insulating layer through multiple grooves;
- 5) fifth embodiment, Fig. 12E, a seal pattern on the second inorganic insulating layer, and the seal pattern contacts the second inorganic insulating layer at sidewalls of the multiple grooves;
- 6) sixth embodiment, Fig. 13C, a seal pattern on the second inorganic insulating layer, and the seal pattern contacts a metal layer (to be same layer as gate electrode of TFT on the lower substrate) through multiple grooves;

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7) seventh embodiment, Fig. 14C, a seal pattern on the second inorganic insulating layer, and the seal pattern contacts a metal layer (to be same layer as source and drain electrode of TFT on the first inorganic insulating layer, such as on the gate insulating layer) through multiple grooves;

8) eighth embodiment, Fig. 15, pixel layer on the organic insulating layer, and the seal pattern being formed on the pixel layer.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claim appears to be generic.

2. Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the

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case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mike Qi whose telephone number is (571) 272-2299. The examiner can normally be reached on M-T 8:00 am-5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Kim can be reached on (571) 272-2293. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mike Qi June 20, 2005

> TARIFUR R. CHOWDHURY PRIMARY EXAMINER